Broadband USA Applications Database

Applicant Name: PUBLIC INSTRUCTION, WASHINGTON STATE SUPERINTENDENT OF

Project Title: Regional Broadband Education Project - PCC

Project Type: Public Computer Center

_____**Executive Summary**_____

Throughout the World, communities are embracing a connected society resulting in a global explosion in information availability. This connectedness has transformed economies and opened up education and health care to allow for new modes of delivery of services to global market places. The ease of information exchange will continue to transform lives, but can it reach all our children and our most vulnerable populations like those found in the Yakima Valley' This application includes Native American and Hispanic families and youth, migrants who do not speak English as their primary language, the disabled, senior citizens, and low-income families. In the state the Yakima area has the 2nd highest adult violent crime rate (2.95 per 1,000); youth arrest rates nearly double the state average (88 vs.50 per 1,000); and the state's 2nd highest poverty level (21 %) (DSHS, 2008). In 2007, the FBI ranked Yakima 299th out of 338 national metropolitan areas for crime statistics/worst in the state. Yakima area has been devastated by the recession, with a current unemployment rate at 11% (8.4% statewide). Only 70% of high school students are on track for on time graduation leaving 30% vulnerable for dropping out. In WA State, 11% of the population does not have any access to computers, but for those in the Yakima Valley, without sufficient broadband, the unemployment and under-employment rates which are twice the national average will only increase. Without access to broadband the future promises greater isolation, poor health and increased poverty for this target population. In a recent ESD survey in one community 60% of parents did not have a high school diploma and a priority for parents was access to reliable broadband service. Education is the vehicle by which hope can be given to this vulnerable population for a promising future. This proposal, led by Educational Service District 105 (ESD 105), in the Yakima Valley of Washington, will change the future for those served by providing access to broadband and computer literacy education and safe public computing centers where people can access broadband technologies so that education levels will increase, jobs can be secured, and isolation and safety risks are reduced. ESD 105 has established partnerships with early childhood agencies, K-12 schools, community colleges, multiple community anchor and public and private organizations in a geographical area of Eastern WA that is rural and remote. The purpose of the proposal is to increase technology literacy and make broadband technology available to vulnerable under/unserved populations; to increase access to educational certificate and degreed programs; to provide training for accessing education, social and health resources and job opportunities; and to make communities safer by bring them together with law enforcement. Participants in the project will include all of the ESD 105 regional early learning centers and K-12 school districts; Enterprise for Progress in the Community (EPIC), Washington State Migrant Council (WSMC), Yakama Nation Head Starts; and WA State Department of Early Learning/licensed childcare businesses. Training will be provided so families, childcare providers, and community members

will have access to information technology and safe places to use broadband technologies; and, in turn, learn techniques that increase the language acquisition, cognitive, and social/emotional skills of their children, readying them for kindergarten. Home childcare providers will be connected to the WA State Department of Early Learning to keep licenses current and to access business management and training resources. ESD 105 will help put early learning providers on career tracks with local community colleges so providers can achieve their Child Development Associate (CDA) certificate and AA and BA degrees in early learning. The ESD 105 Public Computing Center (PCC) application is being submitted in coordination with three other grant applications. The State of WA Broadband Consortium led by Northwest Open Access Network (NoaNet) Comprehensive Community Infrastructure (CCI) Middle Mile proposal to build infrastructure to Anchor Institutions in WA State. This project will build upon the network funded in Round 1 and extend infrastructure into unserved and underserved areas such as the Yakima Valley. ESD 105 is a sub-recipient in the NoaNet proposal, and as a sub-recipient will provide connectivity to the community anchor institutions and proposed public computing centers in the ESD 105 service area. In addition, ESD 105 will link the NoaNet CCI Middle Mile project with the Yakama Nation Last Mile project. Both NoaNet and ESD 105 will use existing Yakama Nation fiber to complete some of the connections. The Middle Mile projects will also deliver bandwidth to state and other non tribal entities located in the Yakama Nation. The Yakama Nation Last Mile project will provide connectivity to over eighty tribal anchor institutions. ESD105 is also submitting a SBA proposal to provide education and awareness to the vulnerable populations and the PCC sites. The ESD 105 Public Computer Center (PCC) project will provide underserved and unserved residents of the Yakima Valley and the NoaNet services area with 49 facilities where they can use computers and the internet. The PCC's will be available during business hours, evenings and weekends. The combination of these four projects will provide connectivity to almost all of the underserved and unserved populations in the Yakima Valley. The methodology employed to produce the job-years estimates is based on the Council of Economic Advisor's guide to job creation estimates and 70 direct jobs-years will be created from this project. A public awareness campaign will be launched to promote the benefits of using and becoming proficient in computers and the Internet, and inform the public about the power of broadband. The overall goal of the awareness campaign will be to significantly increase the awareness and use of information technology by residents within the Yakima Valley who are currently underserved or unserved. A centralized and decentralized media campaign will be conducted. The centralized media campaign will be implemented using local television and radio stations, newspapers (editorials, articles, and paid advertising with contact information). The de-centralized media campaign will be implemented by distributing flyers. This will create the opportunity to educate cell phone users without computers to understand the Internet and become proficient with iPhones, Blackberries, etc., and educate them on the potential advantageous of using Internet services. ESD 105 will undertake a broadband education program. This program will educate underserved and unserved vulnerable Yakima Valley populations on the benefits of using and becoming proficient in broadband, the Internet, and computers. Learning modules will be developed specifically for underserved and unserved early learning and K-12 populations, as well as the general public, many of whom will be first time information technology users. Community members will be taught basic technology literacy by high school students trained in a community service program and extended service of public libraries. The education content will focus on how the Internet and Wi-Fi technology works, how to use the Internet to search and obtain information,

and how to communicate using e-mail, instant messaging software, and social networking sites. An important aspect of the training will be to teach adults and youth how to use the Internet and computers safely to prevent identity theft and fraud, as well as help them stay safe online. Links to resources that already exist on the Internet will be used where appropriate. Programs will be developed to teach job skills and how to find and apply for employment via the Internet; before- and after-school tutoring and English language training will be provided; and early learning centers will host training for parent education and staff development programs. These educational components will increase the efficiency and effectiveness of information technology use, contributing substantially to the Yakima Valley's access to information and, as a result, its improved economic development. Yakima Valley is the most economically depressed area of WA State and the combination of these projects will provide connectivity for almost all of it's vulnerable populations. The ESD 105 PCC project will create 70 new jobs, with a project budget of $6,415,951 including a 20% match. Working together partners will address all of the fundamental goals of the ARRA, BTOP and BIP programs

Capital Request for Public Computing Center Resources funded by BTOP Grant

		Address	Contact Information
Library	The Seattle Public Library	1000 Fourth Ave Seattle, WA 98104	Rob Zangara Director, Technology Services 206-615-1327
Branch	High Point Branch	3411 S.W. Raymond St. Seattle, WA 98126	Jennifer Patterson Assistant Director, Public Services

	Description	Provider	Costs	Erate (Y or N)
Current Service	Fiber GigE (250 Mpbs)	Integra	$6,000 / month	N

Requested Service	N/A - No Change Requested

Brief Description of request:	At the High Point Branch the Seattle Public Library seeks to develop a laptop computer lab that can be set up in our meeting room. We need computers, data projector and wireless access equipment to enable us to provide training that is responsive to the needs of this low income, immigrant community. The 2000 Census reported that 17 percent of the population in the branch service area was living below the poverty line, 17 percent was foreign born, and 16 percent of adults lacked a high school diploma. The equipment will be used to deliver basic computer skills training, homework help, research skills training for youth, and resume building/job search training.

TelePresence Equipment

Location (branch or district office)	Description	Number	Costs

Specific Request

Computers:	Description	Number	Costs
Laptops	Lenovo ThinkPad R400 (or similar)	9	$15,275
Data Projector	Epson PowerLite W7 Multimedia Projector (or similar)	1	$1,040
Printer	Brother HL-5370DW wireless laser printer (or similar)	1	$329

Furniture:	Description	Number	Costs
Equipment Case	TITAN CASE INC, - Custom laptop storage and transport case (or similar)	2	$2,081

Other Infrastructure:	Description	Number	Costs
Network Cabling	Wireless Access Point Cable Drop	2	$2,000
Wireless Access Points	Cisco AIR-LAP1252AG-A-K9 + related required hardware	2	$2,724

Total Capital Costs	30% Matching	Funds Available for Match	In Kind Contributions
$23,449	$7,035	$7,035	

Capital Request for Public Computing Center Resources funded by BTOP Grant

		Address	Contact Information
Library	The Seattle Public Library	1000 Fourth Ave Seattle, WA 98104	Rob Zangara Director, Technology Services 206-615-1327
Branch	NewHolly Branch Library	7058 32nd Ave. S. Seattle, WA 98118	Jennifer Patterson Assistant Director, Public Services 206-386-4153

	Description	Provider	Costs	Erate (Y or N)
Current Service	Fiber GigE (250 Mpbs)	Integra	$6,000 / month	N

Requested Service	N/A - No Change Requested

Brief Description of request:	At the NewHolly Branch the Seattle Public Library seeks to develop a laptop computer lab that can be set up in our meeting room. We need computers, data projector, wireless access equipment, tables and chairs to enable us to provide training that is responsive to the needs of this low income, immigrant community. The 2000 Census reported that 16 percent of the population in the branch service area was living below the povery line, 48 percent was foreign born, and 33 percent of adults lacked a high school diploma. The equipment will be used to deliver basic computer skills training, homework help, research skills training for youth, and resume building/job search training.

TelePresence Equipment

Location (branch or district office)	Description	Number	Costs

Specific Request

Computers:	Description	Number	Costs
Laptops	Lenovo ThinkPad R400 (or similar)	12	$20,367
Data Projector	Epson PowerLite W7 Multimedia Projector (or similar)	1	$1,040
Printer	Brother HL-5370DW wireless laser printer (or similar)	1	$329

Furniture:	Description	Number	Costs
Equipment Case	TITAN CASE INC, - Custom laptop storage and transport case (or similar)	2	$2,081
Desks	Krueger International Duralite rectangular folding tables with vertical storage caddy	6 tables, 1 caddy	$2,506
Chairs	Krueger International Maestro stack chair with transport dolly	12 chairs, 1 dolly	$1,458

Other Infrastructure:	Description	Number	Costs
Network Cabling	Wireless Access Point Cable Drop	2	$2,000
Wireless Access Points	Cisco AIR-LAP1252AG-A-K9 + related required hardware	2	$2,724

Total Capital Costs	30% Matching	Funds Available for Match	In Kind Contributions
$32,505	$9,751	$9,751	